LAB11

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```csharp
using System;
using System.Drawing;
using System.Windows.Forms;

namespace ShapeAndFontPreview
{
  public partial class MainForm : Form
  {
    public MainForm()
    {
      InitializeComponent();

      // Populate the ComboBox with shape options
      comboBoxShapes.Items.AddRange(new string[] { "Circle", "Ellipse", "Triangle" });

      // Populate the ListBox with font names
      foreach (FontFamily fontFamily in FontFamily.Families)
      {
        listBoxFonts.Items.Add(fontFamily.Name);
      }
    }
```

```csharp
        private void comboBoxShapes_SelectedIndexChanged(object sender,
EventArgs e)
    {
        // Change the shape of the form based on user selection in the ComboBox
        string selectedShape = comboBoxShapes.SelectedItem.ToString();
        switch (selectedShape)
        {
            case "Circle":
                this.Width = this.Height = 300;
                this.Region = new Region(new Ellipse(0, 0, this.Width, this.Height));
                break;
            case "Ellipse":
                this.Width = 300;
                this.Height = 200;
                this.Region = new Region(new Rectangle(0, 0, this.Width, this.Height));
                break;
            case "Triangle":
                Point[] points = { new Point(150, 20), new Point(20, 280), new Point(280,
280) };
                this.Region = new Region(new GraphicsPath());

((GraphicsPath)this.Region.GetRegionData().Clone()).AddPolygon(points);
                break;
        }
    }


    private void listBoxFonts_SelectedIndexChanged(object sender, EventArgs e)
    {
```

```csharp
        // Display font preview in a label when font is selected in the ListBox
        string selectedFont = listBoxFonts.SelectedItem.ToString();
        labelFontPreview.Font = new Font(selectedFont, 12);
        labelFontPreview.Text = "Preview Text";
    }
  }
}
```

Output :